

FIG. 1

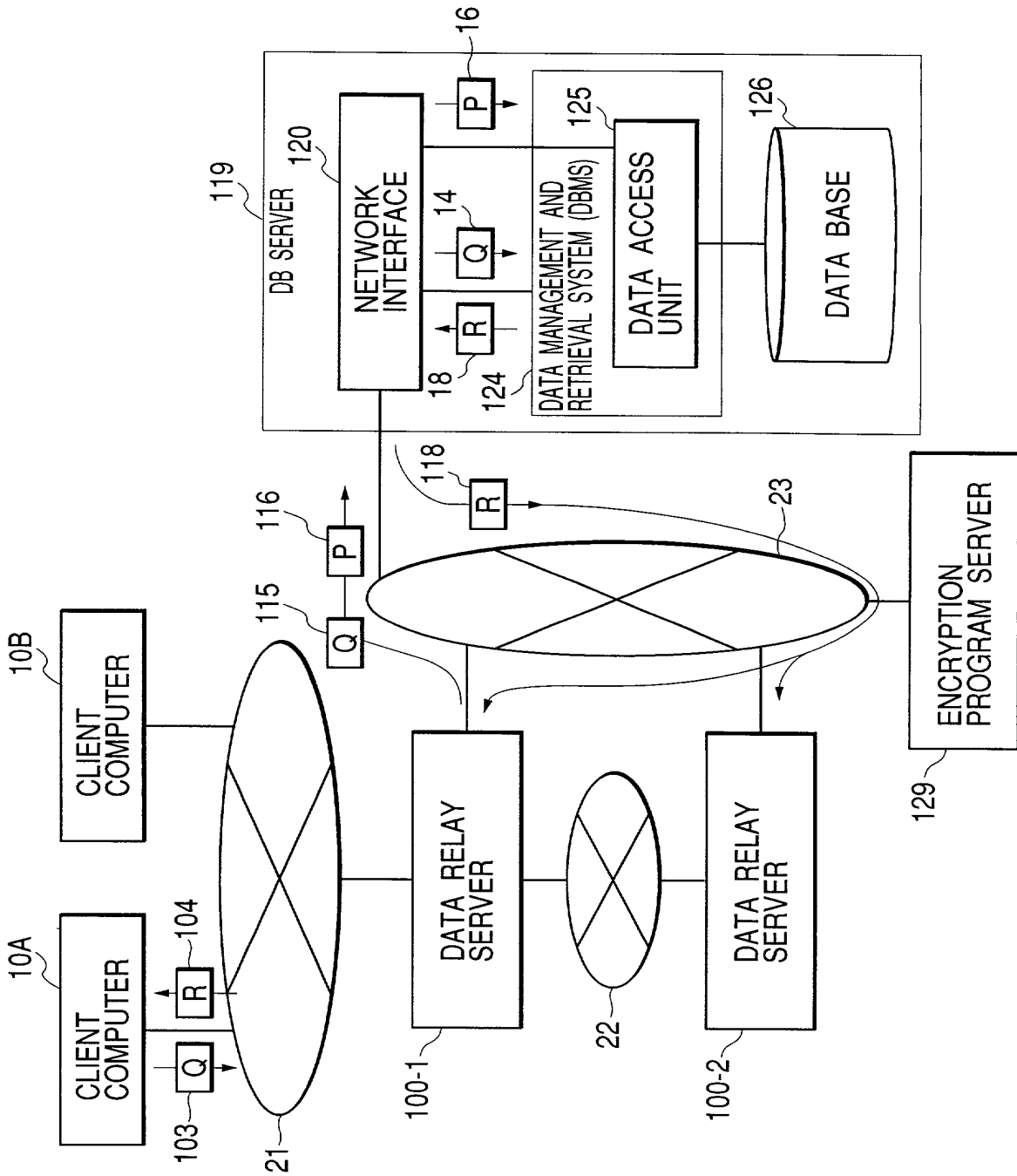


FIG. 2

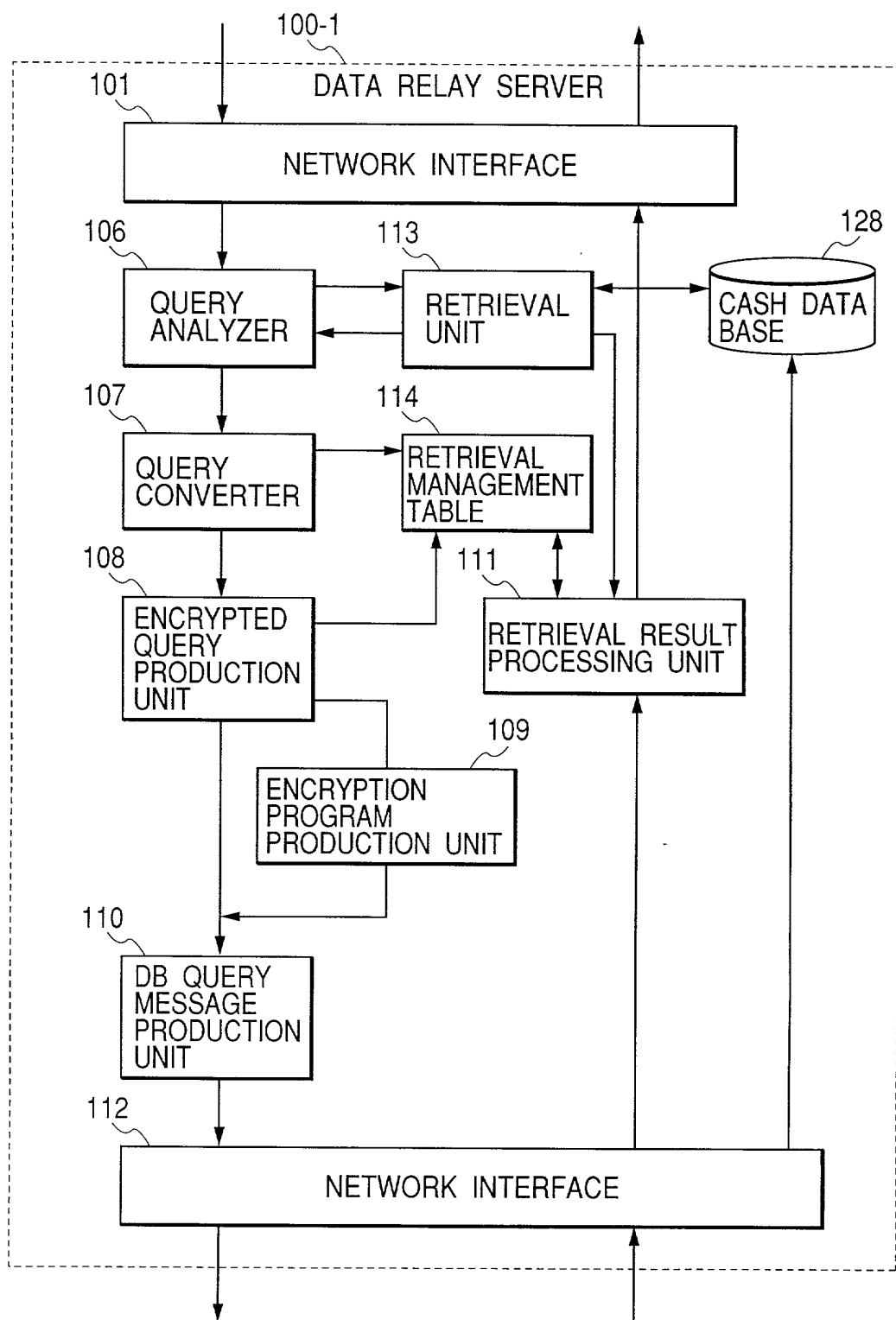


FIG. 3

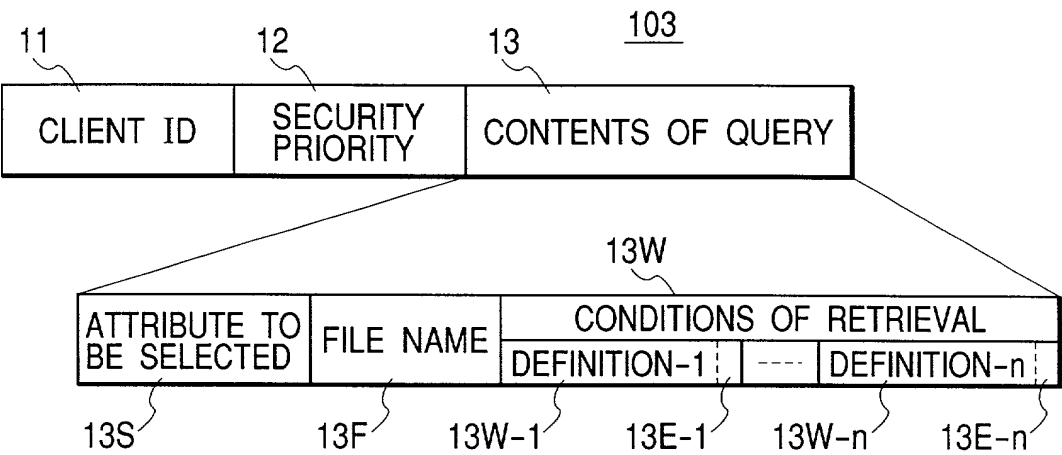


FIG. 4

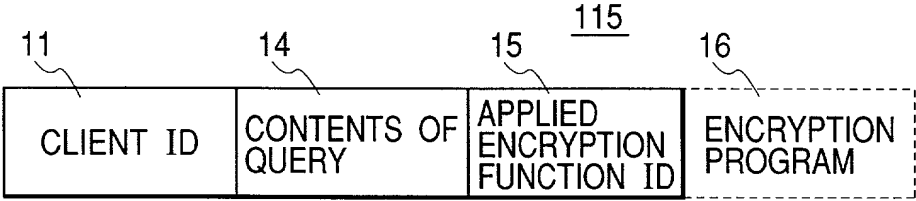


FIG. 5

114 RETRIEVAL MANAGEMENT TABLE

1141 CLIENT ID	1142 CONTENTS OF ORIGINAL QUERY	1143 CONTENTS OF CONVERTED QUERY	1144 TYPE OF CONVERSION	1145 1:1 CONVERSION FLAG
				EN-1
				EN-2

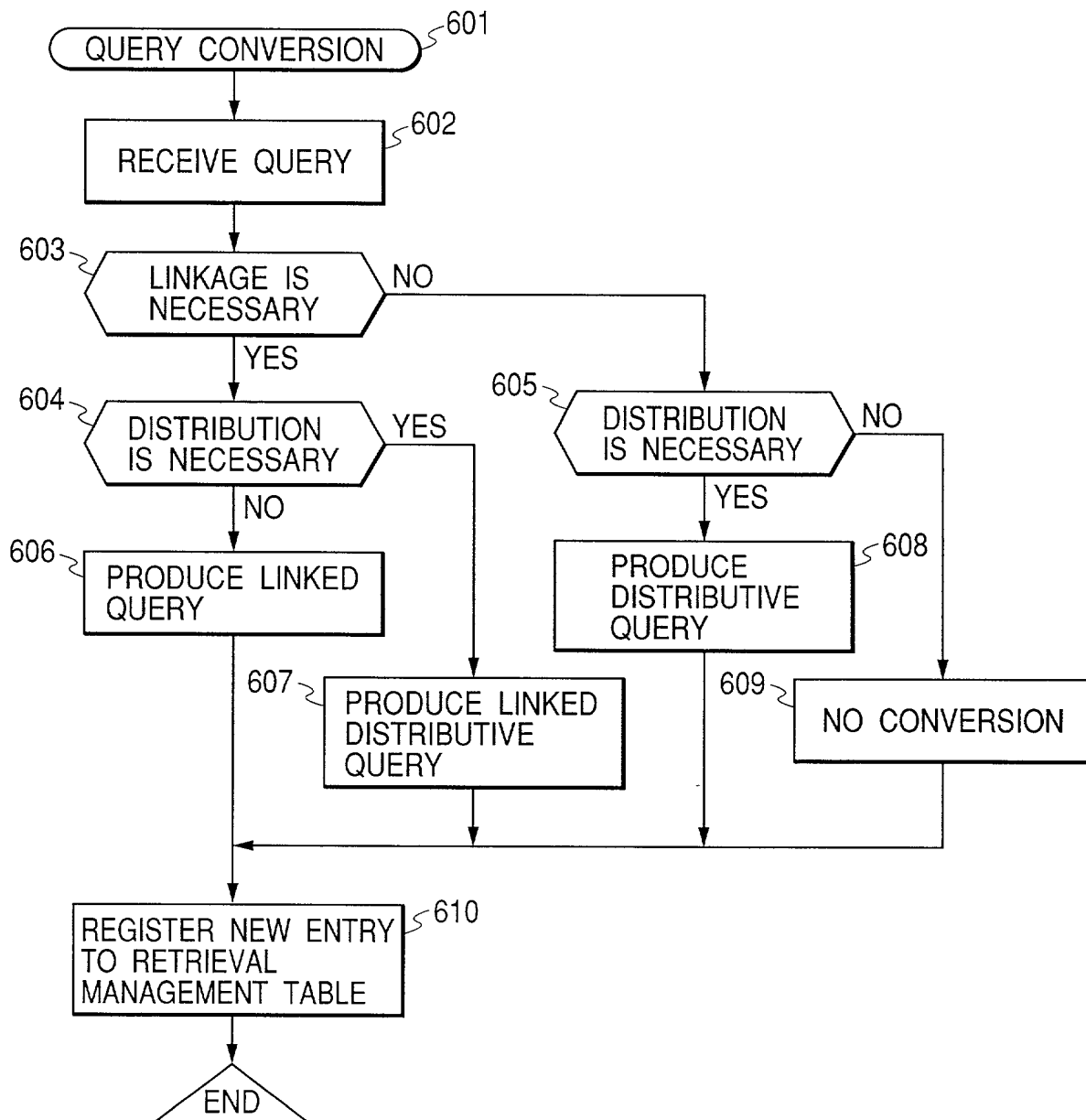
FIG. 6

FIG. 7A

801 SAVING BALANCE TABLE

802	803	804
CUSTOMER ID	BRANCH	SAVING AMOUNT
060001895	SINJUKU	1,050,000
061089288	IKEBUKURO	125,000
060102952	SINJUKU	120,000
-----	-----	-----

FIG. 7B

QUERY Q1 :

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE SAVING AMOUNT >= 1,000,000 ;
```

805

FIG. 7C

QUERY Q2 :

```
SELECT CUSTOMER ID, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE SAVING AMOUNT <= 10,000 ;
```

806

FIG. 7D

LINKED QUERY :

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE SAVING AMOUNT >= 1,000,000 OR
SAVING AMOUNT <= 10,000 ;
```

807

FIG. 7E

DISTRIBUTIVE QUERY DQ1:

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE ( SAVING AMOUNT >= 1,000,000 OR
SAVING AMOUNT <= 10,000 )
AND BRANCH = ' SINJUKU' ;
```

808

FIG. 7F

DISTRIBUTIVE QUERY DQ2:

```
SELECT CUSTOMER ID, BRANCH, SAVING AMOUNT
FROM SAVING BALANCE TABLE
WHERE ( SAVING AMOUNT >= 1,000,000 OR
SAVING AMOUNT <= 10,000 )
AND BRANCH <> 'SINJUKU' ;
```

809

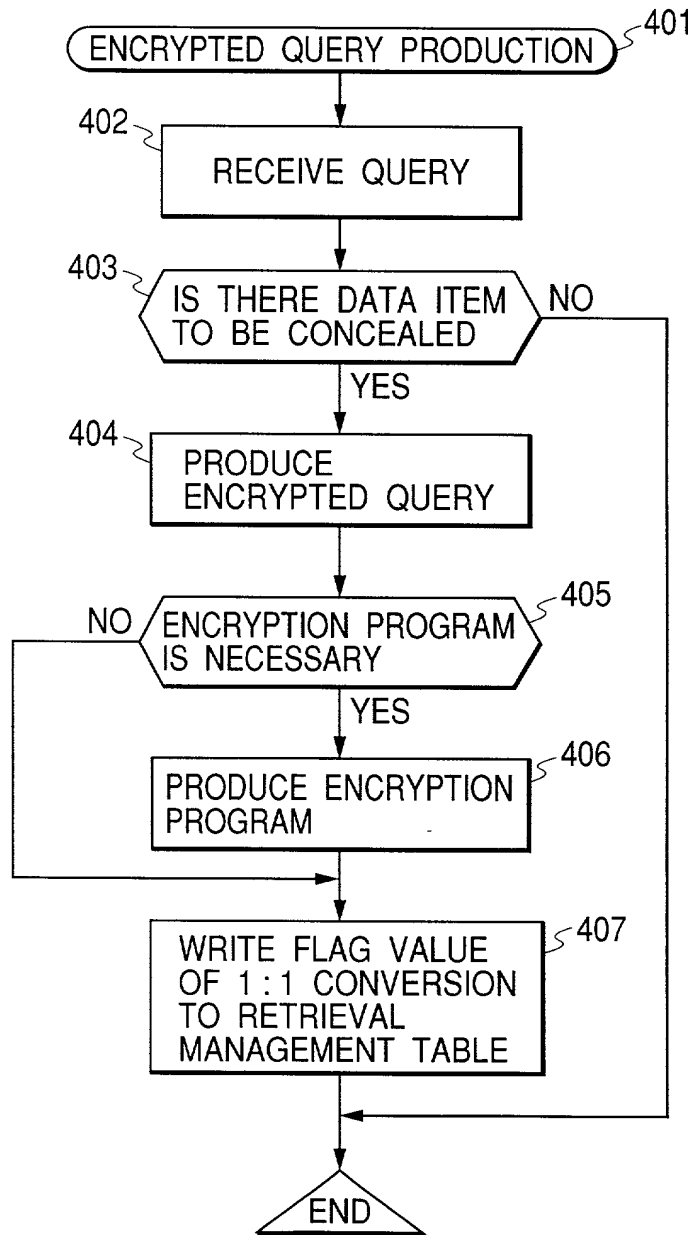
FIG. 8

FIG. 9A

901 GENE ARRANGEMENT TABLE

902 NAME	903 RELATED LINK	904 ARRANGEMENT STRUCTURE
abcd	site A	atcg
efgh	site B	tggtg
ijkl	site C	cctt
---	---	---

FIG. 9B

QUERY Q3:

```

SELECT NAME, RELATED LINK
FROM GENE ARRANGEMENT TABLE
WHERE ARRANGEMENT STRUCTURE = ' atcg' ;

```

} 905

FIG. 9C

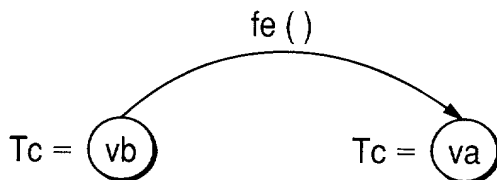
QUERY Q4:

```

SELECT NAME, RELATED LINK, ARRANGEMENT
STRUCTURE
FROM GENE ARRANGEMENT TABLE
WHERE ARRANGEMENT STRUCTURE = '@2aSzE' ;

```

} 906

FIG. 10

Tc : DATA ITEM TO BE CONCEALED

fe () : ENCRYPTION FUNCTION

vb : ORIGINAL DATA VALUE

va : ENCRYPTED DATA VALUE

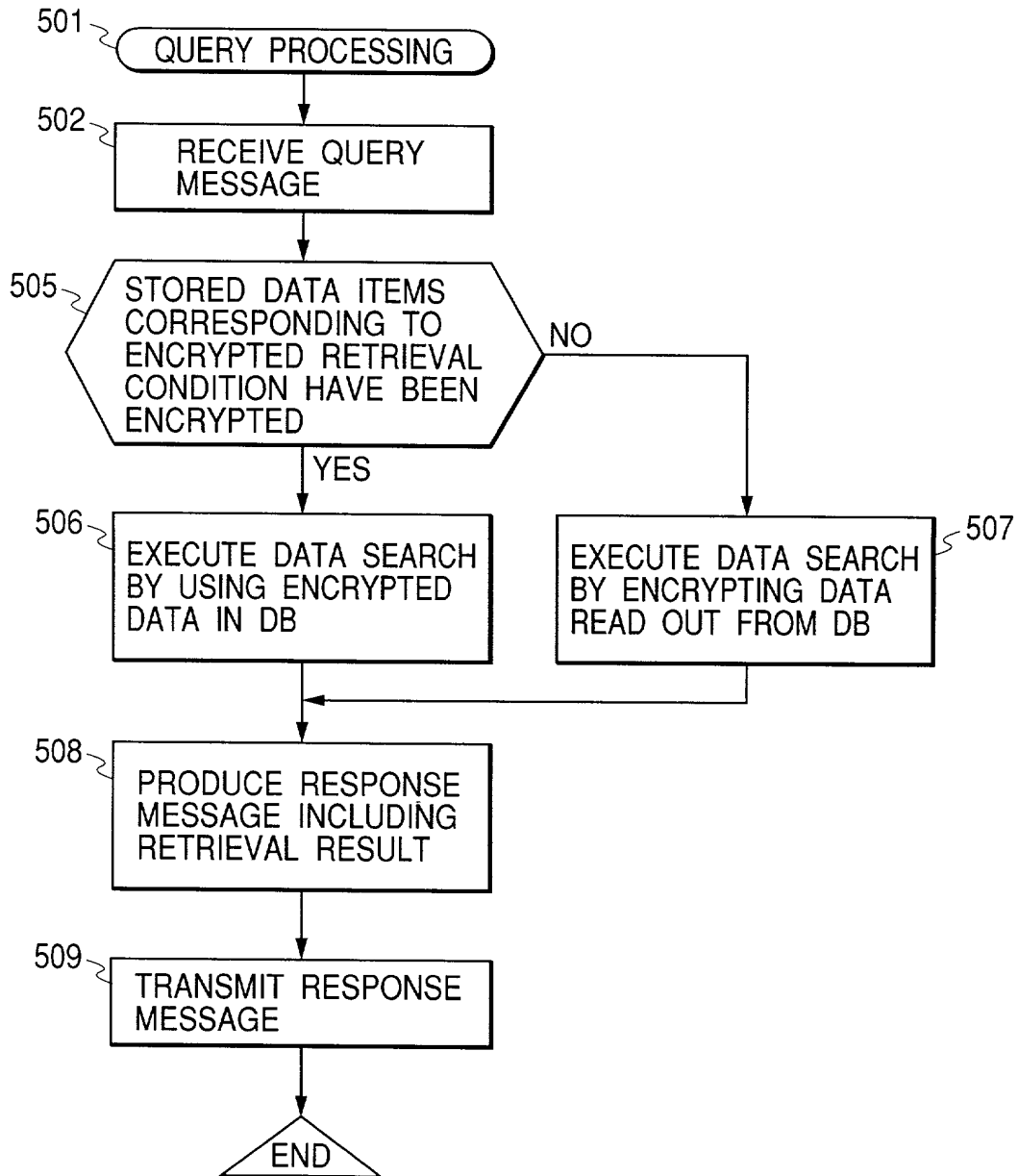
FIG. 11

FIG. 12

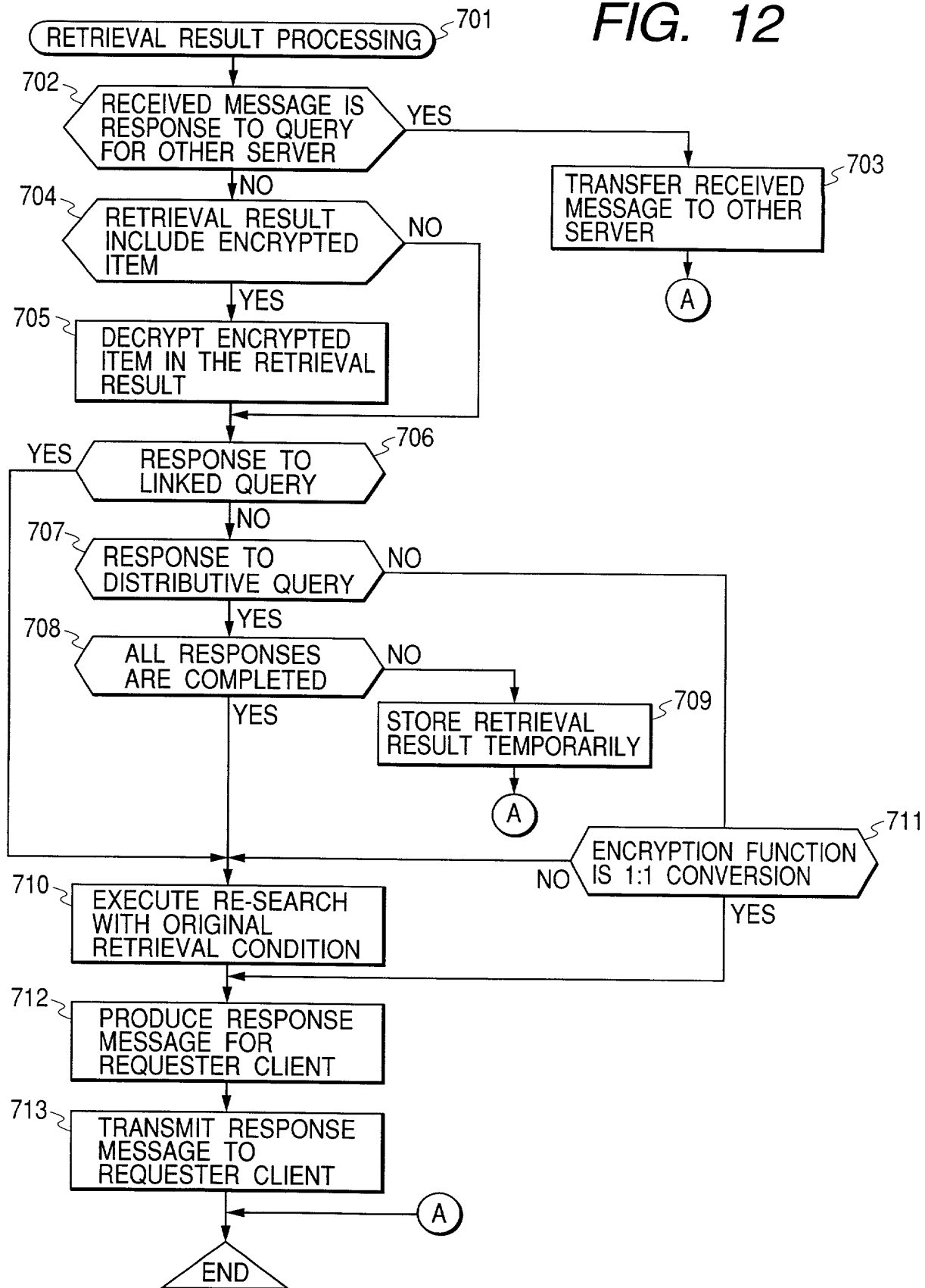


FIG. 13
PRIOR ART

